CLAIMS

1. A catalyst for purifying exhaust gas, which reduces/removes nitrogen oxides in an exhaust gas containing excessive oxygen under the existence of methanol and/or dimethyl ether, characterized in that said catalyst comprises a proton type ß zeolite.

2. A catalyst for purifying exhaust gas according to claim 1, characterized in that a SiO_2/Al_2O_3 molar ratio of the proton type ß zeolite is within 20-70.

3. A method of purifying exhaust gas, characterized in that said method comprises a step of reducing/removing nitrogen oxides in the exhaust gas containing excessive oxygen therein under the existence of methanol and/or dimethyl ether as reducing agent by making the exhaust gas contact with a proton type ß zeolite catalyst.

4. A method of purifying exhaust gas according to claim 3, characterized in that a SiO_2/Al_2O_3 molar ratio of the proton type ß zeolite is within 20-70.